

WHAT IS CLAIMED IS:

1. An image data transmission apparatus comprising:

a transmission unit that transmits image data; and

a control unit that controls the amount of image data to be transmitted in accordance with information concerning the transmission rate of a network through which said image data are to be transmitted.

2. An apparatus according to Claim 1, wherein said control unit calculates said information concerning the transmission rate on the basis of a measured value of the transmission rate, and controls the amount of image data to be transmitted in accordance with the calculation.

3. An apparatus according to Claim 1, wherein said control unit obtains a measured value of the transmission rate while transmitting said image data, and controls the amount of image data to be transmitted in accordance with said measured value.

4. An image data transmission apparatus comprising:

a transmission unit that transmits image data; and

a control unit that controls the amount of image data to be transmitted in accordance with information concerning a receiving apparatus that receives said image data.

5. An apparatus according to Claim 4, wherein said image data are a motion picture, and wherein said control unit controls the amount of image data to be transmitted in accordance with said information without reducing the number of frames included in said motion picture.

6. An apparatus according to Claim 4, wherein said control unit detects performance speed of said receiving apparatus on said image data as said information.

7. An apparatus according to Claim 4, wherein said control unit detects the specifications of a display unit of said receiving apparatus as said information.

8. An apparatus according to one of Claims 1, further comprising a compression unit that compresses said image data to be transmitted;

wherein said control unit controls said compression unit to adjust resolution of said image data in accordance with said information.

9. An apparatus according to one of Claims 1, further comprising a compression unit that compresses said image data to be transmitted;

wherein said control unit controls said compression unit to extract low frequency components from said image data in

accordance with said information.

10. An apparatus according to one of Claims 1, further comprising
a compression unit that compresses said image data to be
5 transmitted;

wherein said control unit controls said compression unit
to reduce bit numbers dedicated to each pixel of said image data
in accordance with said information.

11. An image data receiving apparatus comprising:

a receiving unit that receives image data; and

a control unit that controls the amount of image data to
be received in accordance with information concerning the
transmission rate of a network through which said image data are
to be transmitted.

12. An apparatus according to Claim 11, wherein said control unit
calculates said information concerning the transmission rate on
the basis of a measured value of the transmission rate, and
controls the amount of image data to be received in accordance
15 with the calculation.

13. An apparatus according to Claim 11, wherein said control unit
obtains a measured value of the transmission rate while receiving
said image data, and controls the amount of image data to be
20 received in accordance with said measured value.

14. An image data receiving apparatus comprising:

- a receiving unit that receives image data;
- a decoding unit that performs data processing on the received data; and
- a control unit that controls the amount of image data to be received in accordance with information concerning the performance speed of said decoding unit.

15. An image data receiving apparatus comprising:

- a receiving unit that receives image data;
- a decoding unit that performs data processing on the received data;
- a display unit that displays the processed data; and
- a control unit that controls the amount of image data to be received in accordance with information concerning the specification of said display unit.

16. An apparatus according to Claim 11, wherein said control unit
5 monitors the amount of received data and instructs a transmission apparatus of to terminate transmission of said image data when the amount of said received data reaches the specified amount.

17. An apparatus according to Claim 11, wherein said image data
10 are a motion picture, and wherein said control unit controls the amount of image data in accordance with said information without

reducing the number of frames included in said motion picture.

18. An image transmitting method comprising:

transmitting image data; and

5 controlling the amount of image data to be transmitted,
in accordance with information concerning the transmission rate
of a network through which said image data are to be transmitted.

19. An image transmitting method comprising:

10 transmitting image data; and

controlling the amount of image data to be transmitted,
in accordance with information concerning a receiving apparatus
that receives said image data.

15 20. An image receiving method comprising:

receiving image data; and

controlling the amount of image data to be received, in
accordance with information concerning the transmission rate of
a network through which said image data are to be transmitted.

20 21. An image receiving method comprising:

receiving image data;

performing data processing on the received image data for
displaying said image data; and

25 controlling the amount of image data to be received in
accordance with information concerning the performance speed of

said data processing.

22. An image receiving method comprising:

receiving image data;

5 performing data processing on the received image data for

displaying said image data; and

controlling the amount of image data to be received in
accordance with information concerning the specification of a
display unit that displays said image data.

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